Paula McCartney

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Availability: January-June 2024 | **https://github.com/PMac23**

Education

Northeastern University, Boston, MA   Expected: May 2026

Khoury College of Computer Sciences, *Candidate for a Bachelor of Science in Computer Science*
GPA: 3.2/4.0

Related Courses: Object Oriented Design • Algorithms & Data Structures • Programming in C++ • Computer Systems • Calculus 2 • Logic & Computation • Fundamentals of Computer Science

Computer Knowledge

Languages: *Proficient* – Java • ACL2 • Racket *Familiar* – C++ • JavaScript
Systems: Windows XP/Vista/7/10 • Mac OS
Software: Eclipse • IntelliJ • Visual Studio • Adobe Photoshop • Microsoft Office • GitHub
Other: 6 years of computer building experience

Projects

Music Editor, *Co-Creator*   May - June 2023

- Program with visual/audio playback and interface to create music
- Managed the Java MIDI library and built MIDI player
- Collaborated with partner through GitHub

Escape Pig Island, *Co-Creator*   April 2023

- 2 dimensional island escape game built with funworld library
- Pioneered devious suicidal pig AI to challenge player performance
- Utilized diamond-square algorithm for random terrain generation
- Created portal world to navigate different game states

Work Experience

Northeastern University, Boston, MA   September 2022 - Present
Course Assistant, Fundamentals of Computer Science II
- Facilitate weekly lab of over 40 students
- Introduced fundamental design principles to students through bi-weekly content review sessions
- Complete grading of weekly assignments and provide detailed feedback

Eventide Oyster Co, Portland, ME   June 2019 - June 2021
Catering Busser & Waitress
- Trained new workers for party preparation, bussing etiquette, etc.
- Communicated with party host to keep service running smoothly